

ABSTRACT OF THE DISCLOSURE

The image sensor includes a plurality of row lines and a plurality of column lines crossing the plurality of row lines. A pixel is formed at respective crossings of the row and column lines. Each pixel generates a charge based on light incident thereon and selectively transfers the charge to an associated column line based on a signal received from an associated row line. Each column line has a column driver circuit associated therewith. The column driver circuit is configured to generate an output voltage based on the charge on the associated column line.